SBR No - 43/15-16
31-07-2015

Original/Duplicate/Triplicate

P.W.G. 17 — 1st and final Bill — **CONTRACT CERTIFICATE** — Reference paras 158 & 170

NO

Division Yelahanka — Sub division Yelahanka New Town — Date

Received No — YNK-DSR Date 93 — Sub-divisional — Cash book vr No

Scheduled Docket No — Divisional — Date

Name of work(as per sanctioned estimate) :- — Head of account

NAME OF WORK :Improvement of drain and asphalting to A sector main and cross roads in ward no-04

Work code:004-15-000057

Name of contractor and full address :-

Reference to agreement No :- — **Technical Manager (west)**

Estimated cost :25.00 lakhs — W.O.No:105, dt:20/02/2015

Certified that the measurments were taken by me on 31/7/15 and recorded on pages 2/5213 to 2/5222 of measurment book No 2162 and the work is satisfactorily executed by the contractor.

Signature of contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Assistant Engineer

Certified that the measurments were taken by me on 31/7/15 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---	Bill Amount	24,98,909.00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount	IT -	49,860.00
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash	KET -	99,720.00
	LC -	24,939.00
Total	CBF -	24,945.00
	LS -	101,686.00
5). Balance being unpaid value of work done held in reserve	EID -	1,62,040.00
6) Deduct cash of advance made on divisional/sub divisional cash book	Fine -	1,000.00
7) Net amount due to or from contractor.	Total deduction	3,81,731.00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)	Cheque -	21,11,178.00
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED	Bill Amount -	24,98,909.00

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Reciept Stamp

Dated signature of contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

paid by me cheque No dated

Cash Rs

Audited & Admitted For Rs. 24,98,909/-

By Ch Rs: 21,11,178/- (In Words).....

.....And by Adjustment

For Rs. 3,81,731/-

Date — Initials of officer making payment — Date — Executive Engineer

Account Student

Exe Engineer
B.B.M.P. Bangalore

Sl. No	Items grouped under Sub-heads and sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Removing B.S slab of drain and stacking	sqm			236.78	58.32	13809.00	236.78	13809.01
2	Refixing stone slabs of drains and pointing in CM(1:3)	Sqm			236.78	75.60	17900.57	236.78	17900.57
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick	sqm			101.48	639.36	64882.25	101.48	64882.25
4	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift up to 1.5m,excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum			164.03	75.60	12400.67	164.03	12400.67
5	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the botiom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum			36.68	264.60	9705.53	36.68	9705.53
	Kerb stone base						0.00		0.00

6	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @80kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS 4.1,4.2 (Item no: 4.3,Page no12, PWD SR 2014-15)	Cum			14.34	4847.04	69506.55	14.34	69506.55
7	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 (P.23/5.9) PWD SR 2014-15				3.58	4542.48	16262.08 16262.07	3.58	16262.08 16262.07

8	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M-20 with OPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum			2.30	6065.28	13950.14	2.30	13950.14
	Deck slabs						0.00	0.00	0.00
9	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr 2014-15,p.no17,s.no 4.46)	Qtl			2.19	7905.60	17313.26	2.19	17313.26

10	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asper specification. Specification no.KBS 4.6.2 (pwd sr2014-15,p.no15/4.31)	Sqm			3.50	292.68	1024.38	3.50	1024.38
11	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.3 / PWD SR 2014-15				6.00	92.88	557.28	6.00	557.28

12	KSRRB 4.1:6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12 & Item No. 4.6)**	Cum			34.10 34.07	5327.64	181672.52 1,81,512.69	34.10 34.07	181672.52 1,81,512.69
13	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20ems conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27)				82.00 81.84	993.60	81475.20 81316.00	82.00 81.84	81475.20 81316.00
14	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm			447.30 444.54	1498.00	670055.40 665921.00	447.30 444.64	670055.40 665921.00

15	Providing and fixing precast solid concrete kerb stones made out of cc1:2:4 and finished with CM 1:3 plastering and finishing cutting etc.,complete asper specifications and directions of the engineer in charge of the work.P.NO25/S.NO5.29.1(PWD SR2014-2015)	NO,s			1200.00	357.48	428976.00	1200.00	428976.00
16	KSRB 15-17.5:Applying priming coat over new wood surface and/or wood based surfaces after preparing the surface after throughly cleaning oil,grease,dirt and forign matter,sand papering and knotting liquid wood filler,for varnish including cost of materials,labour,complete as per specificationsP.NO115/15.59)	Sqm			287.02	33.48	9609.43	287.02	9609.43
17	KSRB 15-17.6:Providing and applying painting two coats(excluding proiming coat)on new wood surface and/or wood based surfaces with ename paint to give an even shade,cleaning the surface of all dirt,dust and forign matter,sand papering including as per specifications and directions of the engineer in charge of the work.P.NO115/15.60.1)	Sqm			287.02	84.24	24178.56	287.02	24178.56

18	KSRB 500-2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm			477.00	3.02	1440.54	477.00	1440.54
19	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 (PWD SR 2014-15 P.N.154 It 20.18)	Cum			87.57	1438.56	125974.70	87.57	125974.70

20	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH SpecificationsNo502 (ITEMNO21.6,Page no157,PWD SR 2014-15)	Sqm			702.55 702.25	35.21	24736.79 24726.22	702.55 702.25	24736.79 24726.22
21	KSRRB M500-18.Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler, transporting the hot mix to work site.laying with a paver finisher to the required grade,levell and alignment, rolling withsmooth wheeled,vibratory andtandemrollers to achievethe desired compactiona sperMORTHSpecificationc lauseno508completeinallre spectscompleteasperspecifi cations.using100120THcap acity H.M.P with sensor paver gradingI(35-40mm) with 4.5% CRMB55grade(Itemno21.2 1.1,Pageno16 D 2014-15)	Sqm			13.16	10195.2	134168.83	13.16	134168.83

22	KSRB M500-13: Providing and laying bituminos macadam 50mm thick with 100-120 TPH hot mix plant producing an average out of 75 tonnes per hour using crushed aggregates of specified grading premixed with bitiminous binder, transported to site, laid over a prevuiusky prepared syrface with paver finisher to the required grade, level and alignament and rolled as per clauses 501.6 and 501.7 to achive the desired cinpactuih complete as per specifications. Mother specification No.504, 50-75mm compacted thickness(grading II) with 3.3% bitumen(P-159, It.21.17.2)	Cum			16.33 16.31	9262.08	151249.77 151,064.52	16.33 16.31	151249.77 1,51,064.52
23	KSRB 500-10:Tack coat:Providing and applying tack coat with bitumen emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom, complete as per specifications. MORTH specification No.503 using bitumen emulsion (P-158.It.21.10.1)	Sqm			326.25 326.01	14.59	4759.99 4756.48	326.25 326.01	4759.99 4756.48

24	KSRRB M500-19: Providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification NO. 509, No.169 Item No.	Cum			13.06 13.03	10912.32	142514.90 142187.52	13.06 13.03	142514.90 142187.52
25	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader, dumping, turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15)	Cum			222.08 197.93	68.04	15110.32 13467.00	222.08 197.93	15110.32 13467.00
					TOTAL		2231280.00		2231280.00
					11% KRIDL		245440.80		245440.80
					11% QC		22312.80		22312.80
					G TOTAL		2499033.60		2499033.60

₹ 24,92,909=00 ₹ 24,92,909=00

AE
Ward No 04

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore